

TITLE OF INVENTION

COMPOSITIONS WITH POLYMERS FOR ADVANCED MATERIALS

ABSTRACT

5 A composition comprising: a polymer with a glass transition temperature greater than 250°C and a water absorption of 2% or less; one or more metals or metal compounds; and an organic solvent. The polymer can optionally include sites that can crosslink with one or more crosslinking agents. The compositions can be used to produce electronic
10 components such as resistors, discrete or planar capacitors, conductive adhesives and electrical and thermal conductors. The invention is also directed to a composition comprising a polymer with a glass transition temperature greater than 250°C and a water absorption of 2% or less, and an organic solvent. These compositions can also be used in a number of
15 electronic applications such as an encapsulant and as an integrated circuit packaging material.